

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US2006/033809**A. CLASSIFICATION OF SUBJECT MATTER***G06F 17/00(2006.01)i, G06F 3/14(2006.01)i*

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 8 A63F 13/00, G06F 9/, G06F 17/27

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
KR, JP : IPC as aboveElectronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
eKIPASS(KIPO Internal) "keyword : XML, user interface, add-in, menu, botton creation and similar terms"**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2004/0192440 A1 (C. Shane Evans et al.) 30 September 2004 See paragraphs 0003-0009; figures 27-31.	1-20
A	KR 10-2005-0036702 A (CANON KABUSHIKI KAISHA) 20 April 2005 See claims 1-7; figure 3.	1-20
A	US 2004/0122789 A1 (Peter Francis Ostertag et al.) 24 June 2004 See abstract; paragraphs 0002-0009; figures 10a-12.	1-20
A	US 2005/0091576 A1 (Relyea et al.) 28 April 2005 See abstract; figures 2-3; paragraphs 0005-0011.	1-20
A	KR 10-2005-0023805 A (SAMSUNG ELECTRONICS CO., LTD.) 10 March 2005 See figures 1-4; table 1; claims 1-2.	1-20

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

09 JANUARY 2007 (09.01.2007)

Date of mailing of the international search report

09 JANUARY 2007 (09.01.2007)

Name and mailing address of the ISA/KR

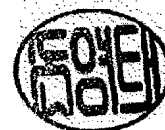
Korean Intellectual Property Office  
920 Dunsan-dong, Seo-gu, Daejeon 302-701,  
Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

SON, Young Tae

Telephone No. 82-42-481-5748



**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

PCT/US2006/033809

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US20040192440A1	30.09.2004	CN1534471A	06.10.2004
		EP01462999A2	29.09.2004
		EP1462999A2	29.09.2004
		JP16326736	18.11.2004
		JP2004326736A2	18.11.2004
		KR1020040086535	11.10.2004
		US2004192440AA	30.09.2004
KR1020050036702	20.04.2005	AU2004203112A1	05.05.2005
		CN1607522A	20.04.2005
		EP01524607A2	20.04.2005
		EP01524607A3	21.06.2006
		EP1524607A2	20.04.2005
		JP17122728	12.05.2005
		KR2005036702A	20.04.2005
		US2005094207AA	05.05.2005
US20040122789A1	24.06.2004	AU2003200656A1	08.07.2004
		BR200300828A	17.08.2004
		CA2422417AA	18.06.2004
		CN1508704A	30.06.2004
		JP2004206668A2	22.07.2004
		KR1020040054465	25.06.2004
		MXPA03009824A	30.06.2004
		NO20031008A0	04.03.2003
		TW221990B	11.10.2004
		US2004122789AA	24.06.2004
		ZA200301626A	26.02.2004
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		CA2422417AA	18.06.2004
		CN1508704A	30.06.2004
		EP01435567A2	07.07.2004
		JP2004206668A2	22.07.2004
		KR1020040054465	25.06.2004
		NO20031008A0	04.03.2003
		TW221990B	11.10.2004
		US2004122789AA	24.06.2004
		ZA200301626A	26.02.2004
KR102005023805A	10.03.2005	US2005050556A1	03.03.2005
		US2005050556AA	03.03.2005

# PATENT COOPERATION TREATY

## PCT

### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 313715.02 WO	<b>FOR FURTHER ACTION</b>	See item 4 below
International application No. PCT/US2006/033809	International filing date ( <i>day/month/year</i> ) 29 August 2006 (29.08.2006)	Priority date ( <i>day/month/year</i> ) 30 August 2005 (30.08.2005)
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237		
Applicant MICROSOFT CORPORATION		

1.	This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).																								
2.	<p>This REPORT consists of a total of 4 sheets, including this cover sheet.</p> <p>In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.</p>																								
3.	<p>This report contains indications relating to the following items:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 10%; text-align: center;"><input checked="" type="checkbox"/></td> <td style="width: 30%;">Box No. I</td> <td style="width: 60%;">Basis of the report</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. II</td> <td>Priority</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. III</td> <td>Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. IV</td> <td>Lack of unity of invention</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td>Box No. V</td> <td>Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. VI</td> <td>Certain documents cited</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. VII</td> <td>Certain defects in the international application</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. VIII</td> <td>Certain observations on the international application</td> </tr> </table>	<input checked="" type="checkbox"/>	Box No. I	Basis of the report	<input type="checkbox"/>	Box No. II	Priority	<input type="checkbox"/>	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability	<input type="checkbox"/>	Box No. IV	Lack of unity of invention	<input checked="" type="checkbox"/>	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	<input type="checkbox"/>	Box No. VI	Certain documents cited	<input type="checkbox"/>	Box No. VII	Certain defects in the international application	<input type="checkbox"/>	Box No. VIII	Certain observations on the international application
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<input type="checkbox"/>	Box No. VII	Certain defects in the international application																							
<input type="checkbox"/>	Box No. VIII	Certain observations on the international application																							
4.	The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis .2).																								

<p style="text-align: center;">The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland</p> <p>Facsimile No. +41 22 338 82 70</p>	<p>Date of issuance of this report 04 March 2008 (04.03.2008)</p> <p>Authorized officer  Ellen Moyse</p> <p>e-mail: pt02.pct@wipo.int</p>
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## PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

To:

MICROSOFT CORPORATION

Attention: Sharon Rydberg(sharonr-21-2029)LCA,  
International Patent Department One Microsoft Way, 21/2029  
Redmond Washington 98052-6399 US

PCT

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing (day/month/year) <b>09 JANUARY 2007 (09.01.2007)</b>	
Applicant's or agent's file reference <b>313715.02 WO</b>	<b>FOR FURTHER ACTION</b> See paragraph 2 below
International application No. <b>PCT/US2006/033809</b>	International filing date (day/month/year) <b>29 AUGUST 2006 (29.08.2006)</b>
Priority date(day/month/year) 30 AUGUST 2005 (30.08.2005)	
International Patent Classification (IPC) or both national classification and IPC  <b>G06F 17/00(2006.01)i, G06F 3/14(2006.01)i</b>	
Applicant <b>MICROSOFT CORPORATION</b>	

## 1. This opinion contains indications relating to the following items:


- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

## 2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.  
For further options, see Form PCT/ISA/220.

## 3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/KR  Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea Facsimile No. 82-42-472-7140	Date of completion of this opinion <b>09 JANUARY 2007 (09.01.2007)</b>	Authorized officer <b>SON, Young Tae</b>  Telephone No.82-42-481-5748
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**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US2006/033809

**Box No. I Basis of this opinion**

1. With regard to the **language**, this opinion has been established on the basis of :

- ☒ the international application in the language in which it was filed
- ☐ a translation of the international application into \_\_\_\_\_, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))

2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:

a. type of material

- ☐ a sequence listing
- ☐ table(s) related to the sequence listing

b. format of material

- ☐ on paper
- ☐ in electronic form

c. time of filing/furnishing

- ☐ contained in the international application as filed.
- ☐ filed together with the international application in electronic form.
- ☐ furnished subsequently to this Authority for the purposes of search.

3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

4. Additional comments:

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US2006/033809

**Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

**1. Statement**

Novelty (N)	Claims	1-20	YES
	Claims	None	NO
Inventive step (IS)	Claims	1-20	YES
	Claims	None	NO
Industrial applicability (IA)	Claims	1-20	YES
	Claims	None	NO

**2. Citations and explanations :**

Reference is made to the following document :

D1 : US 2004/0192440 A1 (C. Shane Evans et al.) 30 September 2004

D1 is considered to represent the most relevant prior art to the subject matter of independent claims 1, 13 and 17, shows a various application-centric user interface techniques to user can easily launch, add, or update applications.

The subject matter of claims 1, 13 and 17 differ from D1 in that the present invention discloses method that is provided for exposing the programming of an application user interface to allow modification of the associated user interface to include adding, removing and reposing new or existing interface components.

Therefore, the subject matter of above independent claims are novel under PCT Article 33(2).

The problem to be solved by the present invention may be regarded as a method for providing additional functionality, a add-in application providing new user interface components to the existing application user interface.

And, the solution to this problem proposed in claims 1, 13 and 17 of the present application is a method for modifying a graphical user interface based on XML(Extensible Markup Language) for providing XML grammar and syntax rules.

D1 does not suggest above mentioned the method that is provided for exposing an application user interface to allow modification of the associated user interface to include adding, removing and reposing new or existing interface components using XML schema.

Thus, claims 1, 13 and 17 involve inventive step and meet the requirement of PCT Article 33(3).

Further, claims 2-12, 14-16 and 18-20 are dependent on claims 1, 13, 17 which also meet the requirement of PCT Article 33(2)-33(3) with respect to novelty and inventive step.

And, all claims are considered to be industrially applicable.